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1 1. A network apparatus, connected to other network entities  
2 via a first type of connection and other network entities  
3 via a second type of connection, comprising:

4 a spoofing element, which spoofs some of the multiple  
5 connections of the first type based on their associated  
6 applications.

1 2. The network apparatus of claim 1, wherein said spoofing  
2 element only spoofs connections of the first type associated  
3 with high throughput applications.

1 3. The network apparatus of claim 1, wherein said spoofing  
2 element assigns spoofing resources, including buffer space  
3 and control blocks, to the spoofed connections.

1 4. The network apparatus of claim 1, wherein said spoofing  
2 element spoofs connections using at least one spoofing rule  
3 based on destination address, source address, destination  
4 port number, source port number, options, a differentiated  
5 services (DS) field or combinations thereof.

1 5. The network apparatus of claim 4, wherein said spoofing  
2 element defines the at least one spoofing rule in a spoofing  
3 profile.

1 6. The network apparatus of claim 1, wherein said spoofing  
2 element spoofs some of the multiple connections of the first  
3 type based on at least one operator selectable criterion.

- 1 7. The network apparatus of claim 1, wherein the first  
2 connection uses a high layer protocol.
- 1 8. The network apparatus of claim 7, wherein the first  
2 connection uses one of the Transmission Control Protocol  
3 (TCP) and the User Datagram Protocol (UDP).
- 1 9. The network apparatus of claim 1, wherein the second  
2 connection is a backbone connection.
- 1 10. The network apparatus of claim 9, wherein the backbone  
2 connection is via a wireless link.
- 1 11. The network apparatus of claim 10, wherein the wireless  
2 link has high latency and high error rate.
- 1 12. The network apparatus of claim 10, wherein the wireless  
2 link is a satellite link.
- 1 13. The network apparatus of claim 1, wherein said network  
2 apparatus is a component of a network gateway.
- 1 14. The network apparatus of claim 1, wherein said network  
2 apparatus is a component of a host.
- 1 15. The network apparatus of claim 1, wherein said network  
2 apparatus is a component of a hub.
- 1 16. The network apparatus of claim 1, wherein said network  
2 apparatus is a component of a switch.

1 17. The network apparatus of claim 1, wherein said network  
2 apparatus is a component of a VSAT.

1 18. The network apparatus of claim 1, wherein said network  
2 apparatus is a component of a router.

1 19. A method, comprising:  
2 establishing multiple connections of a first type  
3 associated with different applications; and  
4 spoofing some of the multiple connections of the first  
5 type based on their associated applications.

1 20. The method of claim 19, wherein said spoofing step only  
2 spoofs connections of the first type associated with high  
3 throughput applications.

1 21. The method of claim 19, wherein said spoofing step  
2 assigns spoofing resources, including buffer space and  
3 control blocks, to the spoofed connections.

1 22. The method of claim 19, wherein said spoofing step  
2 spoofs connections using at least one spoofing rule based on  
3 destination address, source address, destination port  
4 number, source port number, options, a differentiated  
5 services (DS) field or combinations thereof.

1 23. The method of claim 22, wherein said spoofing step  
2 defines the at least one spoofing rule in a spoofing  
3 profile.

1 24. The method of claim 19, wherein said spoofing step  
2 spoofs some of the multiple connections of the first type  
3 based on at least one operator selectable criterion.

1 25. The method of claim 19, wherein the first connection  
2 uses a high layer protocol.

1 26. The method of claim 25, wherein the first connection  
2 uses one of the Transmission Control Protocol (TCP) and the  
3 User Datagram Protocol (UDP).

1 27. The method of claim 19, wherein said method is  
2 performed in a network gateway.

1 28. The method of claim 19, wherein said method is performed  
2 in a host.

1 29. The method of claim 19, wherein said method is  
2 performed in a hub.

1 30. The method of claim 19, wherein said method is  
2 performed in a switch.

1 31. The method of claim 19, wherein said method is  
2 performed in a VSAT.

1 32. The method of claim 19, wherein said method is  
2 performed in a router.